

**AMENDMENT TO THE SPECIFICATION**

1. Please replace lines 25- 27, at page 10, with the following text:

**CLEAN VERSION:**

Figures 3A, 3B, and 3C are diagrams showing a database for storing genetic variables of different cultivars and product features encoded by the genetic variables under different growth conditions. Figure 3A is Cultivar 1, Figure 3B is Cultivar 2, and Figure 3C is Cultivar X.

**MARKED UP VERSION:**

Figures 3A, 3B, and 3C are [is a] diagrams showing a database for storing genetic variables of different cultivars and product features encoded by the genetic variables under different growth conditions. Figure 3A is Cultivar 1, Figure 3B is Cultivar 2, and Figure 3C is Cultivar X.

2. Please replace lines 6-7, at page 11, with the following text:

**CLEAN VERSION:**

Figures 6A, 6B, and 6C are diagrams showing a database used for correlating measured indices from a sample with product processing data. Figure 6A is Product Processing Set 1, Figure 6B is Product Processing Set 2, and Figure 6C is Product Processing Set N.

**MARKED UP VERSION:**

Figures 6A, 6B, and 6C are [is a] diagrams showing a database used for correlating measured indices from a sample with product processing data. Figure 6A is Product Processing Set 1, Figure 6B is Product Processing Set 2, and Figure 6C is Product Processing Set N.

3. At page 20, line 10, please insert "Figure 3A" prior to --- cultivar 1 ---.

4. At page 20, line 10, please insert "Figure 3B" prior to — cultivar 2 —.

5. At page 20, line 11, please insert "Figure 3C" prior to --- cultivar X ---.
6. At page 20, line 17, please replace "354a, 355a...or 356x" with --- 256a, 257a...or 258x ---.
7. At page 23, line 7, please insert "(Figure 3A);" after --- cultivar 1 ---.
8. At page 23, line 7, please insert "(Figure 3B);" after --- cultivar 2 ---.
9. At page 23, line 8, please insert "(Figure 3C)" after --- cultivar x ---.
10. At page 28, line 20, please insert "(Figure 6A)" after --- 350a ---.
11. At page 28, line 20, please insert "(Figure 6B)" after --- 350b ---.
12. At page 28, line 20, please insert "(Figure 6C)" after --- 350x ---.